AMSAT News Service Weekly Bulletins
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SB SAT @ AMSAT $ANS-263.01
PACSATS MOVE EMERGENCY TRAFFIC

HR AMSAT NEWS SERVICE BULLETIN 263.01 FROM AMSAT HQ
SILVER SPRING, MD SEPTEMBER 19, 1992 BID:$ANS-263.01
TO ALL RADIO AMATEURS BT

UO-22 & LO-19 Move Health & Welfare Traffic From Hawaii

KI6QE reports that UO-22 is playing a major role in moving message traffic from the hurricane devastated areas in Hawaii around the world. Working in conjunction with the HF packet bulletin board systems (BBS) around the world, the traffic is collected and sent to Honolulu via 15M packet and via UO-22. From Honolulu, the traffic then goes directly to the devastated areas via ham radio or by a Navy MARS station. KI6QE says that out of a 1000 pieces of traffic handled thus far, 20% has been delivered using UO-22's BBS.

Earlier this week, KI6QE noted that UO-22's BBS was shutdown during a very critical period. A quick phone call to Ron Broadbent (G3AAJ) at AMSAT-UK brought a quick response from the University of Surrey (UoS) ground controllers to get the BBS up-and-running again. In the mean time, LO-19 was used as a back-up. Despite the fact that it was the middle of the night in the UK, the UoS team got UO-22's BBS working again in one orbit.

KI6QE points out that PACSATs are a perfect resource for moving message traffic from areas devastated by natural disasters. He further states that UO-22 has performed a great humanitarian service to the victims of Hurricane Iniki.

[The AMSAT News Service (ANS) would like to thank KI6QE for the information which went into this bulletin.]

/EX
SB SAT @ AMSAT $ANS-263.02
AO-21/RUDAK-2 STATUS REPORT

HR AMSAT NEWS SERVICE BULLETIN 263.02 FROM AMSAT HQ
SILVER SPRING, MD SEPTEMBER 19, 1992 BID:$ANS-263.02
TO ALL RADIO AMATEURS BT

DB2OS Provides Latest AO-21/RUDAK-2 Update

DB2OS reports that this week the digital signal processing experiment (DSPE) was switched off so that no voice message will be heard on AO-21's downlink. Consequently, this will allow more time for the FM repeater mode of operation. Currently, AO-21 operates with 9 minutes of FM repeater and one minute of 400 baud PSK telemetry. This 10 minute cycle repeats continuously throughout every hour of every day. AO-21's FM repeater mode has proven to be enormously popular with radio amateurs around the world. One factor which has made this mode so popular is the relative ease of use for the first time satellite user. With 2M and 70cm FM equipment and a simple antenna arrangement, one can easily work stations through this "repeater-in-the-sky." This allows hams who have never used an OSCAR to get a taste of satellite operation. DB2OS feels that once they have tried AO-21's FM repeater mode, the first-time user might be inclined to try some of the other

OSCARs. All are encouraged to try AO-21 with its uplink on 435.016 MHz and the downlink frequency of 145.987 MHz. DB2OS further adds that currently new software is being written to investigate other modulation techniques and so this extended FM repeater operation may change soon.

[The AMSAT News Service (ANS) would like to thank DB2OS for this bulletin item.]

/EX
SB SAT @ AMSAT $ANS-263.03
AMSAT OPERATIONS NET SCHEDS

HR AMSAT NEWS SERVICE BULLETIN 263.03 FROM AMSAT HQ
SILVER SPRING, MD SEPTEMBER 19, 1992 BID: $ANS-263.03
TO ALL RADIO AMATEURS BT

AMSAT-NA Operations Net Schedule

AMSAT Operations Nets are planned for the following times. Mode B Nets are conducted on AO-13 on a downlink frequency of 145.950 MHz and the Mode J/L Nets on a downlink of 435.970 MHz.

Date	UTC	Mode	Phs	NCS	Alt
26-Sep-92	1445	B	162	VE2LVC	W9ODI
3-Oct-92	1830	B	162	N7NQM	W5IU
10-Oct-92	2120	J	145	WB6LLO	WA5ZIB

Any stations with information on current events would be most welcome. Shuttle contact reports would be of interest. In the unlikely event that either the Net Control Station or the alternate do not call on frequency, any participant is invited to act as the NCS.

Slow Scan Television on AO-13

SSTV sessions will be held on UTC Saturdays and Sundays. Mode J on a downlink of 435.980 MHz, and Mode B immediately after Mode J on 145.960 MHz. OPS NETS will take priority so look for SSTV activity immediately after they conclude.

/EX
SB SAT @ AMSAT $ANS-263.04
AO-13 TRANSPONDER SCHEDULES

HR AMSAT NEWS SERVICE BULLETIN 263.05 FROM AMSAT HQ
SILVER SPRING, MD SEPTEMBER 19, 1992 BID: $ANS-263.04
TO ALL RADIO AMATEURS BT

G3RUH Provides Current & Future AO-13 Operating Schedules

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G3RUH/DB2OS/VK5AGR  *** Future  AO-13 Transponder Schedule ***
Mode-B  : MA   0 to MA  40 !     from  1992 Aug 17 - Sep 21
Mode-S  : MA  40 to MA  50 !<- S transponder; B trsp. is OFF!
Mode-LS : MA  50 to MA  55 !<- S beacon + L transponder
Mode-JL : MA  55 to MA  70 !   This schedule operates
Mode-B  : MA  70 to MA 256 !   every orbit, every day.
Omnis   : MA 160 to MA  10 !     Blon/Blat 150/0
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Mode B users are reminded that at MA 40, the Mode B transponder will be heard to go OFF with a click. Although you will still hear the Mode B beacon, do not attempt to uplink as you will get no Mode B response; however, you could interfere with Mode S. Mode B returns at MA 70.

Note too that this schedule operates every orbit, every day.

QST de G3RUH 1992 Sep 10. Magnetorquing from attitude 150/0
to 180/0 will commence on Sep 20 [Sun] 01:19 UTC, Orbit 3268,
MA count 224, and will continue for 6 perigees. Estimated interim
attitudes are:

Orbit	Blon/Blat	Orbit	Blon/Blat	Orbit	Blon/Blat
3268	147/-4	3269	154/-4	3270	160/-4
3272	171/-2	3273	176/-1	3274	181/0
3271	166/-4				

Accuracy +/- 5 degrees

The new schedule will be uploaded during Mode-L, Orbit 3272. So 3272
(only) will contain two Mode J/L/S sessions: MA 40-70 and 130-160.

Magnetorquing is not an exact science, and there is always a
possibility of changes to the above plan and of unannounced
interruptions to the schedule.

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G3RUH/DB2OS/VK5AGR  *** Future  AO-13 Transponder Schedule ***
Mode-B  : MA   0 to MA 130 !     from  1992 Sep 21 - Nov 23
Mode-S  : MA 130 to MA 140 !<- S transponder; B trsp. is OFF!
Mode-LS : MA 140 to MA 145 !<- S beacon + L transponder
Mode-JL : MA 145 to MA 160 !   This schedule operates
Mode-B  : MA 160 to MA 256 !   every orbit, every day.
Omnis   : MA 235 to MA  30 !     Blon/Blat 180/0
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/EX
SB SAT @ AMSAT $ANS-263.05
STS-47/SAREX BIG SUCCESS

HR AMSAT NEWS SERVICE BULLETIN 263.05 FROM AMSAT HQ
SILVER SPRING, MD SEPTEMBER 19, 1992 BID:$ANS-263.05
TO ALL RADIO AMATEURS BT

The STS-47 Mission is nearing a close. Landing is schedule for 11:19
UTC on Sunday, September 20th. The entire flight of STS-47 and
SpaceLab-J has proceeded with minimum problems. The Shuttle Amateur
Radio Experiment (SAREX) has produced thousands of packet radio
contacts and several downlinks with schools. Crew members Jay Apt
(N5QWL) and Mamoru Mohri (7L2NJY) have been active with several
contacts and the equipment has preformed well during this mission.

QSL's can be obtained from:

Jay Apt (N5QWL)
806 Shorewood Drive
Seabrook, Texas 77586 USA

Please include a stamped, self-addressed envelope.
Non-US stations please include necessary IRC's or US postage ($0.50).
Include callsign worked, date, UTC, mode, frequency, and QSO number for
all packet contacts.

SWL cards are available also.

AMSAT wishes to congratulate the crew of STS-47 and all the personnel
involved with the SAREX mission for an excellent flight.

[The AMSAT News Service (ANS) would like to thank KD9QB for the
information which went into this bulletin.]

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